distance that the hook-shaped coupler is pivoted increases. When not activated by a magnet, the cantilever spring (24) tends to urge the coupler knuckle (26) inwardly toward a closed position, thus maintaining the coupled integrity of the

The leaf spring (18), which is an integral part of the drawbar (12), located at an opposite end from the coupler knuckle permits the coupler (10) to pivot back and forth within the coupler pocket either as the coupler is acted upon by a magnetic force or as the model railroad car moves along the tracks even on curved sections. Thus, the model railroad cars stay coupled while still moving along the tracks until the uncoupling system is activated by magnets located between the tracks. When decoupled and no longer subject to a magnetic force from between the rails, the leaf spring (18) centers the coupler head in a position for interaction with a second opposing coupler to achieve the coupled condition as the two couplers are gently nudged together.

I claim:

11. A magnetically-actuated coupler assembly for a model railroad car comprising

- (a) a drawbar with first and second ends, capable of being pivotally mounted within a coupler pocket in the end of a model railroad car,
- (b) formed as an integral part of the first end of the drawbar is a leaf spring extending from the first end of the drawbar,
- (c) secured to the second end of the drawbar is a coupler head, wherein the coupler head contains a pair of stops which limit the movement of a pivotally mounted coupler knuckle;

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- (d) a cantilever spring formed as an integral part of the drawbar located proximal from the coupler body,
- (e) a magnetically-actuated post pivotally secured to the drawbar which extends downward from the drawbar, and
- (f) the pivotally mounted coupler knuckle is pivotally secured to the second end of the drawbar such that it is in constant interaction with the cantilever spring to urge the coupler knuckle to a closed or coupled position

2. The magnetically-actuated coupler assembly of claim 1 wherein the leaf spring is secured to the first end of the drawbar and extends outward and around the first end of the drawbar to form generally a C-shape.

3. The magnetically-actuated coupler assembly of claim 1 wherein an outer tip of the coupler knuckle contains a lip which extends inward toward the post.

4. The magnetically actuated coupler assembly of claim 1 wherein the drawbar includes an extension lip, extending from the drawbar.

5. The magnetically actuated coupler assembly of claim 1 wherein the coupler knuckle contains a slot, an edge of which interacts with one of the stops of the coupler head to limit the capability of the coupler knuckle to open.



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